

AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph beginning at page 5, line 11, with the following rewritten paragraph:

--Figure 9 is a vertical sectional view of the flashlight projector, illustrating a ~~forth~~ fourth embodiment of the present invention;--.

Please replace the paragraph beginning at page 11, line 1, with the following rewritten paragraph:

--In FIG. 5, if there is a main subject A2 instead of the main subject A1, the ~~flax~~ flux S0 can less illuminate the main subject A2. However, the fluxes S1 and S2 are respectively reflected on a ceiling T and a floor F to become weak bounce lights. As the bounce lights illuminate the subject A2, the subject A2 is hardly shadowed. Accordingly, the flashlight photograph is carried out in an adequate illumination--.

Please replace the paragraph beginning at page 12, line 27, bridging pages 12 and 13, with the following rewritten paragraph:

--In order to decrease the intensity of the flashlight projected into the center of the photographic area, ~~another~~ other embodiments are also possible. For example, as shown in FIG. 8, an opening width C of the reflector ~~32~~ 42 may be smaller than a distance D from the reflector ~~32~~ 42 to the flash tube 31. ~~in~~ In

this case, the flashlight becomes weaker in the center of the photographic area. Thus, the maximum intensity of the flashlight is in the outside of the photographic area, and the intensity of the flashlight on the upper and lower limits is larger by 1.0 LV than in the center of the photographic area.--.

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-2 (canceled).

Claim 3 (currently amended): A lens-fitted photo film unit ~~elaimed in claim 2,~~ with a flash device, in which a filmstrip is preloaded, comprising:

an exposure section for exposing a filmstrip; and
a flashlight projector included in said flash device,
for projecting a flashlight so that an intensity of said
flashlight may be at the maximum in outsides of the photographic
area,

wherein said outsides are located at least one of above
and below said photographic area, and

wherein the intensity of said flashlight on upper and lower limits of said photographic area is 1.0-1.5 LV larger than in a center of said photographic area.

Claim 4 (currently amended): A lens-fitted photo film unit claimed in claim 2 3, said flashlight projector comprising:

a flash tube for emitting said flashlight;

a reflector having nearly half elliptical shape for reflecting said flashlight emitted from said flash tube so as to tend forwards; and

a transparent projector attached to a front side of said reflector for protecting said flash tube,

wherein said flash tube is disposed forward from a focal point of said reflector on a projection axis of said flashlight projector.

Claim 5 (currently amended): A lens-fitted photo film unit ~~elaimed in claim 2,~~ with a flash device, in which a film strip is preloaded, comprising:

an exposure section for exposing a filmstrip; and
a flashlight projector included in said flash device,
for projecting a flashlight so that an intensity of said
flashlight may be at the maximum in outsides of the photographic
area,

wherein said outsides are located at least one of above
and below said photographic area, and

wherein said flashlight projector comprising comprises:
a flash tube for emitting said flashlight;
a reflector having nearly half elliptical shape, in an inner side of said reflector said flash tube being disposed on ~~an~~ a projection axis of said flash device, said reflector

reflecting said flashlight emitted from said flash tube so as to
tend forwards;

a transparent protector attached to a front side of said
reflector for determining a lighting distribution; and

a regulate portion formed on a rear face of said
protector for deflecting a part of said flashlight tending toward
a center portion of said photographic area into said outsides of
said photographic area.

Claim 6 (original): A lens-fitted photo film unit claimed in claim
5, wherein said regulate portion is a plate protuberance extending
on said projection axis toward said flash tube, and a part of said
flashlight emitted from said flash tube is reflected on said plate
protuberance.

Claim 7 (original): A lens-fitted photo film unit claimed in
claim 6, wherein an end of said plate protuberance is wedge-
shaped.

Claim 8 (original): A lens-fitted photo film unit claimed in
claim 6, wherein said plate protuberance has upper and lower faces
inclined to said projection axis so as to become thinner towards
said end.

Claim 9 (original): A lens-fitted photo film unit claimed in
claim 8, wherein said end of said plate protuberance is provided
with a first groove having a V-shaped form.

Claim 10 (original): A lens-fitted photo film unit claimed in claim 9, wherein a second groove is formed on a front face of said protector into said plate protuberance.

Claim 11 (currently amended): A lens-fitted photo film unit ~~claimed in claim 2,~~ with a flash device, in which a filmstrip is preloaded, comprising:

an exposure section for exposing a filmstrip; and
a flashlight projector included in said flash device,
for projecting a flashlight so that an intensity of said
flashlight may be at the maximum in outsides of the photographic
area,

wherein said flashlight projector ~~comprising~~ comprises:
a flash tube for emitting said flashlight;
a reflector having nearly half elliptical shape, in an inner side of said reflector said flash tube being disposed on ~~an~~ a projection axis of said flash device, said reflector reflecting said flashlight emitted from said flash tube so as to tend forwards; and

a protector being attached to a front side of said reflector, for determining a distribution of said flashlight,

wherein a distance between said protector and said flash tube is larger than an opening width of said reflector, and

wherein said outsides are located at least one of above
and below said photographic area.

Claim 12 (currently amended): A lens-fitted photo film unit
~~elaimed in claim 2,~~ with a flash device, in which a filmstrip is
preloaded, comprising:

an exposure section for exposing a filmstrip; and
a flashlight projector included in said flash device,
for projecting a flashlight so that an intensity of said
flashlight may be at the maximum in outsides of the photographic
area,

wherein said outsides are located at least one of above
and below said photographic area, and

wherein said flashlight projected by said flashlight
projector is at the maximum only above or below said photographic
area.

Claim 13 (original): A lens-fitted photo film unit claimed in
claim 12, wherein a projection axis of said flashlight projector
is inclined to upwards or downwards with respect of a
photographic axis.

Claim 14 (currently amended): A method of a flash lighting of a
lens-fitted photo film unit, comprising steps of:

projecting a flashlight from a flashlight projector;

deflecting a part of said flashlight tending toward a center portion of a photographic area into outsides of a photographic area by a regulate portion formed on a rear face of a protector of the flashlight projector, wherein said outsides are at least one of above and below said photographic area; and

illuminating a scene such ~~as~~ that an intensity of said flashlight may be at the maximum in outsides of a said photographic area within said scene.

Claim 15 (new): A lens-fitted photo film unit claimed in claim 5, wherein said regulate portion is composed by a reflection material, and a part of said flashlight emitted from said flash tube is reflected on said regulate portion.

Claim 16 (new): A lens-fitted photo film unit claimed in claim 5, wherein said regulate portion extends into said reflector.

REMARKS/ARGUMENTS

The specification has been amended to make editorial changes including those noted in the Official Action to place the application in condition for allowance at the time of the next Official Action.

Claims 1-14 were previously pending in the application. Claims 1 and 2 are cancelled and new claims 15 and 16 are added. Therefore, claims 3-16 are presented for consideration.

Applicants would like to thank the Examiner for indicating allowable subject matter in claims 6-11. In reliance thereon, claim 11 is rewritten in independent form.

Claims 1, 2, 4 and 14 are rejected as anticipated by KAWABATA et al. 5,852,751.

Reconsideration and withdrawal of the rejection are respectfully requested as to claims 4 and 14. Claims 1 and 2 are cancelled. Claim 4 is amended to depend from claim 3. KAWABATA et al. was not applied against claim 3. Accordingly, claim 4 is believed patentable over KAWABATA et al.

Claim 14 recites deflecting a part of the flashlight tending toward a center portion of a photographic area into outsides of a photographic area by a regulate portion formed a rear face of a protector of the flashlight projector, wherein

said outsides are at least one of above and below said photographic area.

As seen in Figure 6 of the present application, for example, part of the flashlight tending toward a center portion of a photographic area is deflected into outsides of a photographic area. The outsides are at least one of above and below the photographic area. As disclosed on page 11, line 23 through page 12, line 4, the regulate portion (protuberance 33b of Figure 4 or 35a of Figure 7) is formed on a rear surface of the projector 35 so that flashlight reflected on reflector 34 forms a peak of the intensity of the flashlight outside the photographic area.

KAWABATA et al. disclose that an illumination area of the flashlight is enlarged in a direction right and left of the photographic area in order to correspond with panoramic photography. KAWABATA et al. do not disclose or suggest deflecting a part of a flashlight tending toward a center portion of a photographic area into outsides of the photographic area by a regulate portion formed on a rear face of a protector of the flashlight projector, wherein the outsides are at least one of above and below the photographic area as recited in claim 14 of the present application.

Claim 14 further recites illuminating a scene such that an intensity of the flashlight may be at the maximum in outsides of the photographic area within the scene. KAWABATA et al. do not disclose or suggest illuminating a scene such that an intensity of the flashlight may be at the maximum in outsides of the photographic area within the scene as further recited in claim 14. As the reference does not disclose that which is recited, reconsideration and withdrawal of the rejection are respectfully requested.

Claims 1-3, 5 and 14 are rejected as anticipated by ISHIDA et al. 6,480,679.

Reconsideration and withdrawal of the rejection are respectfully requested as to claims 3, 5 and 14. Claims 1 and 2 are cancelled.

Claim 3 of the present invention recites projecting a flashlight so that an intensity of the flashlight may be at the maximum in outsides of the photographic area and that the intensity of the flashlight on upper and lower limits of the photographic area is 1.0-1.5 LV larger than in a center of the photographic area.

The Official Action has offered Figure 4 of ISHIDA et al. as disclosing that the upper and lower limits are 1.0-1.5 EV larger than the center of the photographic area. However, the

reference does not disclose that for which it is offered. Specifically, Figure 4 of ISHIDA et al. shows that the luminous peak is within the viewing angle (the half viewing angle is 40°), not that the intensity of the flashlight may be at a maximum outside of the photographic area. Figure 5 of ISHIDA et al. shows that an intensity of the flashlight is at a maximum outside the photographic area. However, in this embodiment of ISHIDA et al. the intensity of the flashlight at the half viewing angle (40°) is larger than the center portion by approximately 2.5 EV, not that the intensity of the flashlight on upper and lower limits of the photographic area is 1.0-1.5 LV larger than in a center of the photographic area. Accordingly, reconsideration and allowance of claim 3 is respectfully requested.

Claim 5 recites a regulate portion formed on a rear face of the protector for deflecting a part of the flashlight tending toward a center portion above and below the photographic area.

ISHIDA et al. disclose in Figure 19, for example, a protector 3 that deflects the flashlight tending toward a center portion of the photographic area in a direction right and left. Specifically, column 21, lines 40-43 of ISHIDA et al. disclose that light rays entering into the central area of optical panel 3 diverge from the optical panel 3 by means of the light diverging

section along the longitudinal direction of the light emitting tube.

Figure 23(B) of ISHIDA et al. teaches a protector that deflects light right and left and top and bottom. However, the light tending toward the center portion is directed left and right. The light tending toward the edge portions is directed top and bottom because the Fresnel lens 13b is only on the edge portion of protector 13.

Claim 14 recites deflecting a part of the flashlight tending toward a center portion of a photographic area into outsides of a photographic area by a regulate portion formed on a rear face of a protector of the flashlight projector wherein the outsides are at least one of above and below the photographic area. The comments above regarding claim 5 are equally applicable to claim 14.

Claims 1, 2, and 12-14 are rejected as anticipated by STEPHENSON 5,406,343. This rejection is respectfully traversed.

Claim 12 recites that the intensity of the flashlight is at a maximum only above or below outsides of the photographic area.

STEPHENSON does not disclose or suggest a peak of illumination or a maximum intensity of a flashlight. Figure 2 and the associated text of STEPHENSON disclose that part of the

light reflected from reflector 11 is reflected downward by supplementary reflector 29. Accordingly, applicants believe that STEPHENSON intends to have the peak of illumination within the photographic area, not that the intensity of the flashlight is at a maximum only above or below outside of the photographic area as recited in claim 12.

Claim 13 depends from claim 12 and further defines the invention and is also believed patentable over STEPHENSON.

Claim 14 recites deflecting a part of the flashlight tending toward a center portion of the photographic area into outsides of a photographic area by a regulate portion formed on a rear face of a protector of the flashlight projector, wherein the outsides are at least one of above and below the photographic area.

STEPHENSON neither teaches a regulate portion formed on a rear face of the protector nor deflecting a part of the flashlight tending toward a center portion of a photographic area into outsides of a photographic area by the regulate portion. Specifically, STEPHENSON teaches deflecting part of the flashlight tending towards an outside area to the photographic area using supplementary reflector 29.

New claims 15 and 16 depend from claim 5 and further define the invention and are also believed patentable over the

cited prior art. In addition, ISHIDA et al. was the only reference applied against claim 5. ISHIDA et al. do not disclose or suggest that the regulate portion extends into the reflector. As seen in Figure 21 of ISHIDA et al., for example, grooves are formed in protector 3 defining Fresnel lens 3a. These grooves do not extend into reflector 2.

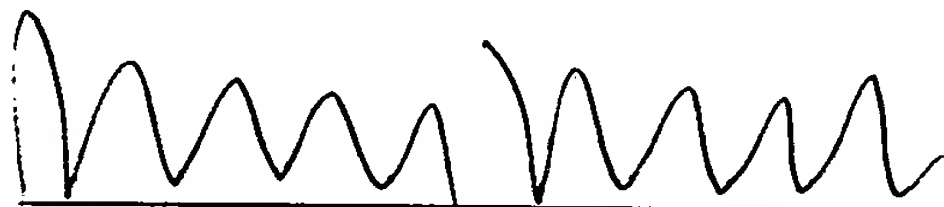
In view of the present amendment and the foregoing remarks, it is believed that the present application has been placed in condition for allowance. Reconsideration and allowance are respectfully requested.

The Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 25-0120 for any additional fees required under 37 C.F.R. §1.16 or under 37 C.F.R. §1.17.

Please charge the fee of \$168 for the two extra independent claims added herewith to Deposit Account No. 25-0120.

Respectfully submitted,

YOUNG & THOMPSON

By 

Robert J. Patch
Attorney for Applicants
Registration No. 17,355
745 South 23rd Street
Arlington, VA 22202
Telephone: 703/521-2297